

Figure 1.

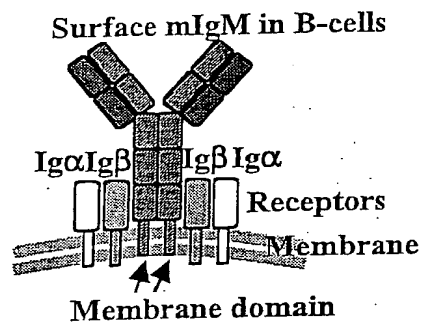


Figure 2

A

**Ig $\alpha$ -1S** (sense oligo for Ig $\alpha$  containing SpeI and HindIII cloning sites)  
 5' TAG TGA ACT AGT AAG CTT GCC ACC ATG CCA GGG GGT CTA GAA GCC CTC A  
 3'

**Ig $\alpha$ -221A** (antisense oligo for Ig $\alpha$  containing EcoRI and ClaI cloning sites)  
 5' GTC TAG ATC GAT GAA TTC TCA TGG CTT TTC CAG CTG GGC ATC 3'

**Ig $\beta$ -1S** (sense oligo for Ig $\beta$  containing SpeI and HindIII cloning sites)  
 5' TAG TGA ACT AGT AAG CTT GCC ACC ATG GCC ACA CTG GTG CTG TCT TCC  
 ATG 3'

**Ig $\beta$ -229A** (antisense oligo for Ig $\beta$  containing XhoI and ClaI cloning sites)  
 5' GTC TAG ATC GAT CTC GAG TCA TTC CTG GCC TGG ATG CTC TCC TAC CGA 3'

B.

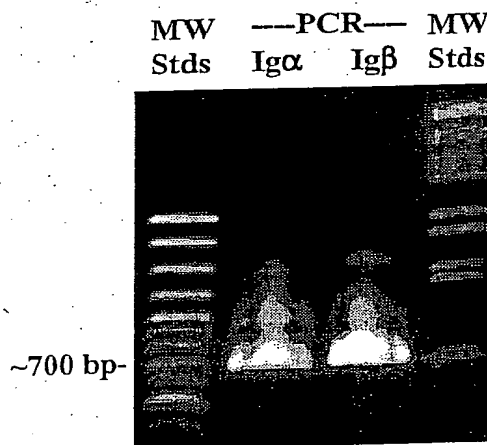


Figure 3

p3.1NeoIg\_ Length: 681

Translation

HindIII Signal M P G G L E A L R A L P L  
AAGCTT GCCACC ATG CCA GGG GGT CTA GAA GCC CTC AGA GCC CTG CCT CTC  
  
L L F L S Y A C L G P G C Q A L R  
CTC CTC TTC TIG TCA TAC GCC TGT TTG GGT CCC GGA TGC CAG GCC CTG CCG  
  
V E G G P P S L T V N L G E E A R  
GTA GAA GGG GGT CCA CCA TCC CTG ACG GTG AAC TTG GGC CAG GAG GCC CCG  
  
L T C E N N G R N P N I T W W F S  
CTC ACC TGT GAA AAC AAT GGC AGG AAC CCT AAT ATC ACA TGG TGG TTC AGC  
  
L Q S N I T W P P V P L G P G Q G  
CTT CAG TCT AAC ATC ACA TGG CCC CCA GTG CCA CTG GGT CCT GGC CAG GGT  
  
T T G Q L F F P E V N K N H R G L  
ACC ACA GGC CAG CTG TTC TTC CCC GAA GTA AAC AAG AAC CAC AGG GGC TTG  
  
Y W C Q V I E N N I L K R S C G T  
TAC TGG TGC CAA GTG ATA GAA AAC AAC ATA TTA AAA CCC TCC TGT GGT ACT  
  
Y L R V R N P V P R P F L D M G E  
TAC CTC CCG GTG CCG AAT CCA GTC CCT AGG CCC TTC CTG GAC ATG GGG GAA  
  
G T K N R I I T A E G I I L L F C  
GGT ACC AAG AAC CCG ATC ATC ACA GCA GAA GGG ATC ATC TTG CTG TTC TGT  
  
A V V P G T L L L F R K R W Q N E  
GCA GTG GTG CCA GGG ACG CTG CTG CTA TTC AGG AAA CCG TGG CAA AAT GAG  
  
K F G V D M P D D Y E D E N L Y E  
AAG TTT GGG GTG GAC ATG CCA GAT GAC TAT GAA GAT GAA AAT CTC TAT GAG  
  
G L N L D D C S M Y E D I S R G L  
GGC CTG AAC CTT GAT GAC TGT TCT ATG TAT GAG GAC ATC TCC AGG GGA CTC  
  
Q G T Y Q D V G N L H I G D A Q L  
CAG GGC ACC TAC CAG GAT GTG GGC AAC CTC CAC ATT GGA GAT GCC CAG CTG  
  
E K P \* EcoRI  
GAA AAG CCA TGA GAATTC

Figure 4.

p3.12eoIg\_ Length: 705

Translation

HindIII Signal M A T L V L S S M P C H W  
 AAGCTT GCCACC ATG GGC ACA CTG GTG CTG TCT TCC ATG CCC TGC CAC TGG

L L F L L L L F S G E P V P A M T  
 CTG TTG TTC CTG CTG CTG CTC TTC TCA GGT GAG CCG GTA CCA GCA ATG ACA

S S D L P L N F Q G S P C S Q I W  
 AGC AGT GAC CTG CCA CTG AAT TTC CAA GGA AGC CCT TGT TCC CAG ATC TGG

Q H P R F A A K K R S S M V K F H  
 CAG CAC CCG AGG TTT GCA GGC AAA AAG CCG AGC TCC ATG GTG AAG TTT CAC

C Y T N H S G A L T W F R K R G S  
 TGC TAC ACA AAC CAC TCA GGT GCA CTG ACC TGG TTC CGA AAG CGA GGG AGC

Q Q P Q E L V S E E G R I V Q T Q  
 CAG CAG CCC CAG GAA CTG GTC TCA GAA GAG GGA CCG ATT GTG CAG ACC CAG

N G S V Y T L T I Q N I Q Y E D N  
 AAT GGC TCT GTC TAC ACC CTC ACT ATC CAA AAC ATC CAG TAC GAG GAT AAT

G I Y F C K Q K C D S A N H N V T  
 GGT ATC TAC TTC TGC AAG CAG AAA TGT GAC AGC GGC AAC CAT AAT GTC ACC

D S C G T E L L V L G F S T L D Q  
 GAC AGC TGT GGC ACG GAA CTT CTA GTC TTA GGA TTC AGC ACG TTG GAC CAA

L K R R N T L K D G I I L I Q T L  
 CTG AAG CCG CCG AAC ACA CTG AAA GAT GGC ATT ATC TTG ATC CAG ACC CTC

L I I L F I I V P I F L L L D K D  
 CTC ATC ATC CTC TTC ATC ATT GTG CCC ATC TTC CTG CTA CTT GAC AAG GAT

D G K A G M E E D H T Y E G L N I  
 GAC GGC AAG GCT GGG ATG GAG GAA GAT CAC ACC TAT GAG GGC TTG AAC ATT

D Q T A T Y E D I V T L R T G E V  
 GAC CAG ACA GGC ACC TAT GAA GAC ATA GTG ACT CTT CCG ACA GGG CAG GTA

K W S V G E H P G Q E \* XhoI  
 AAG TGG TGG GTA GGA GAG CAT CCA GGC CAG GAA TGA CTGGAG

Figure 5

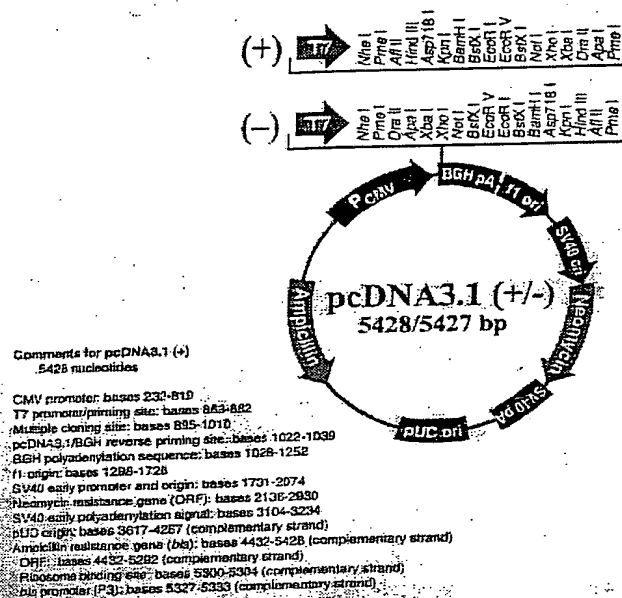


Figure 6

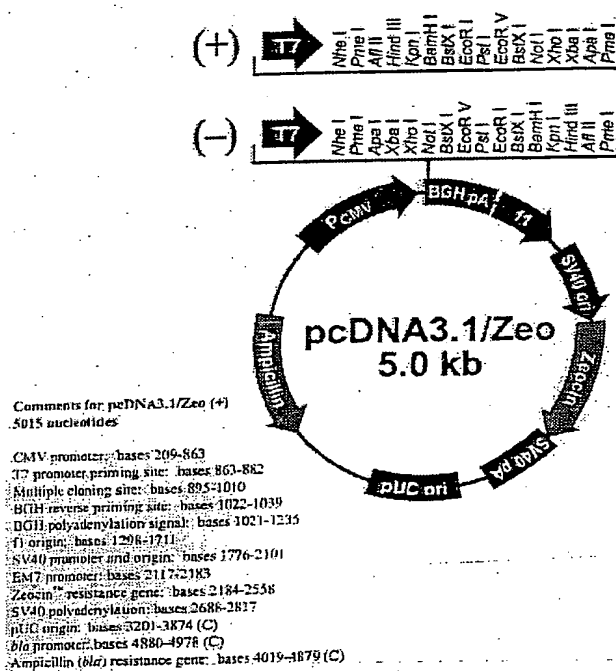


Figure 7.

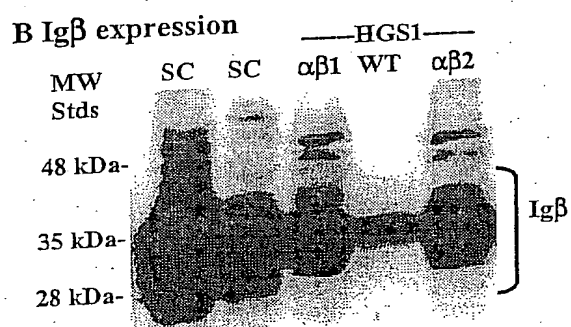
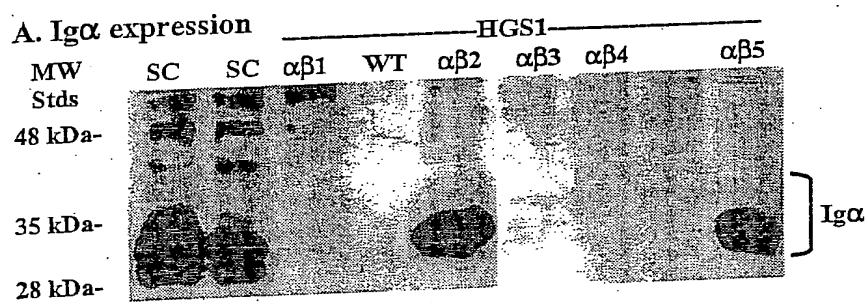


Figure 8

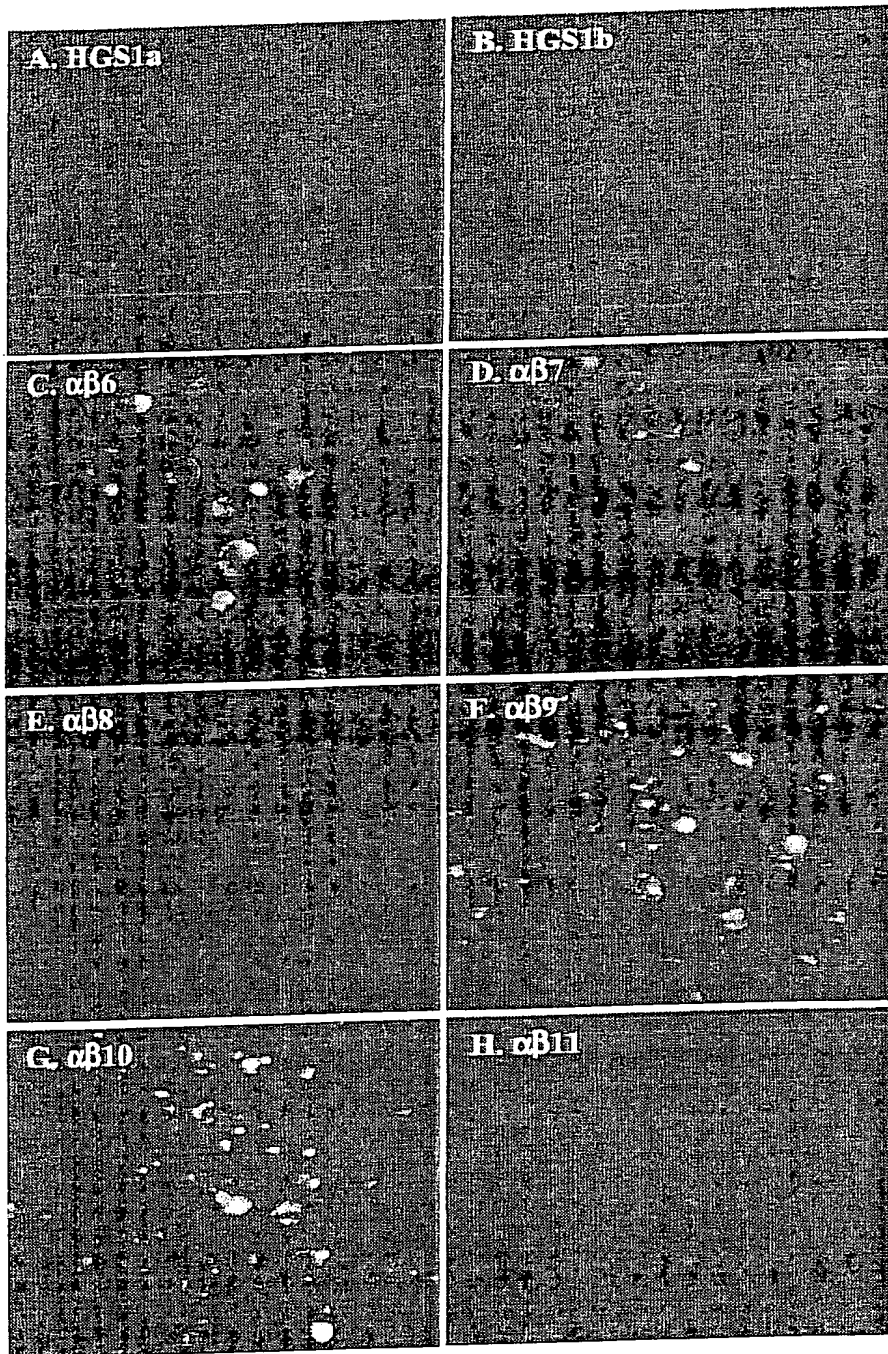


Figure 8 (continued)

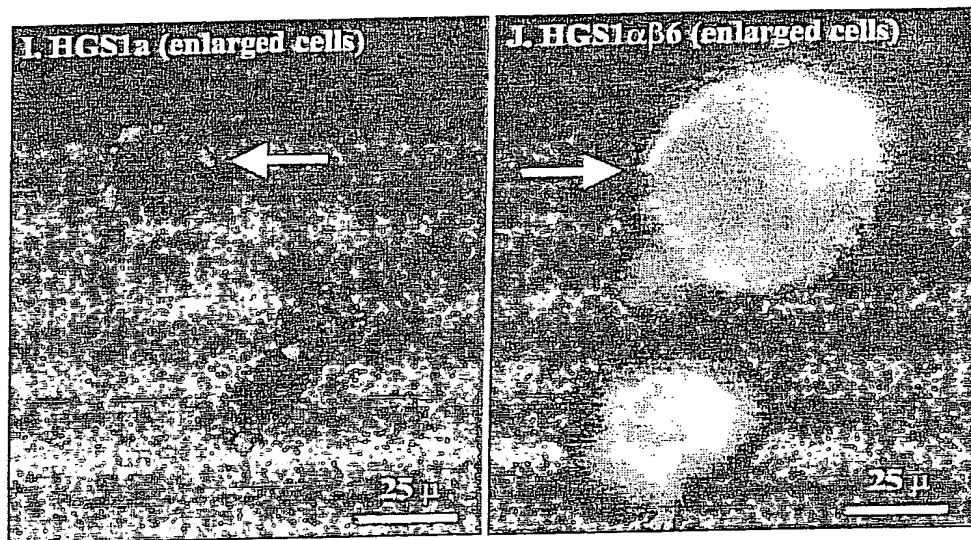
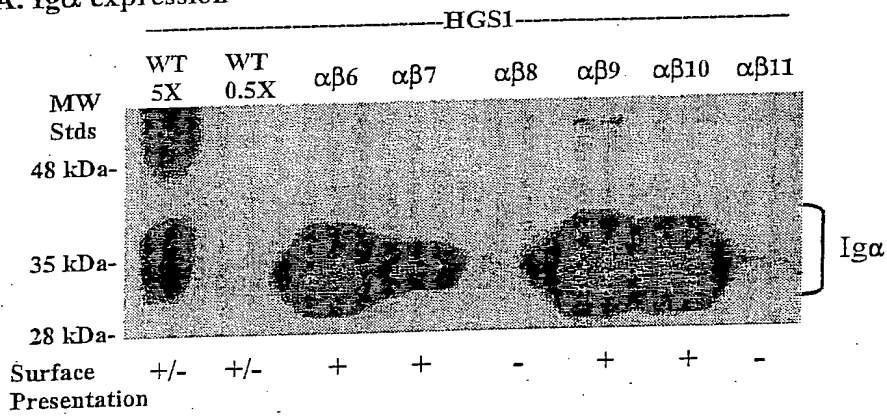




Figure 9

A. Ig $\alpha$  expression



B. Coomassie stained protein

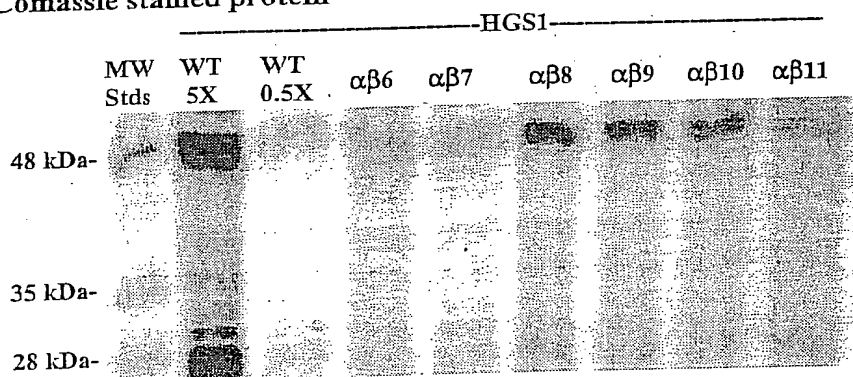


Figure 10

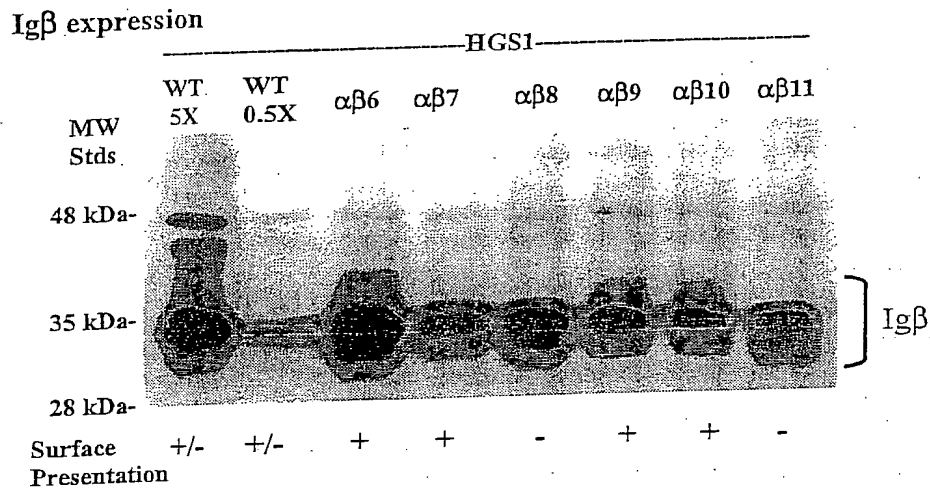


Figure 11

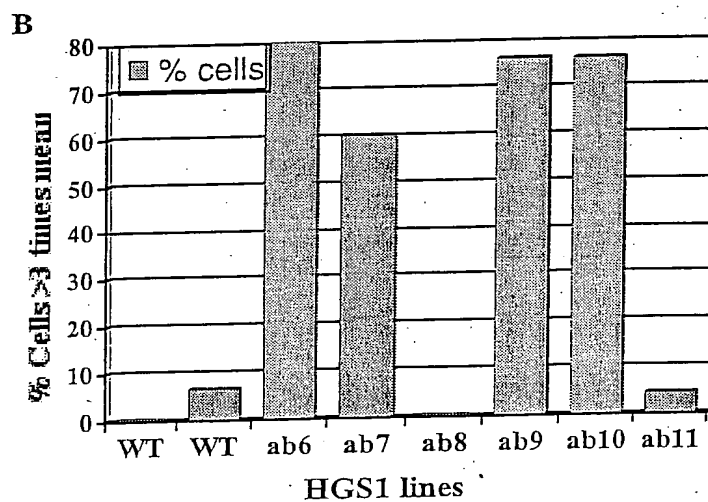
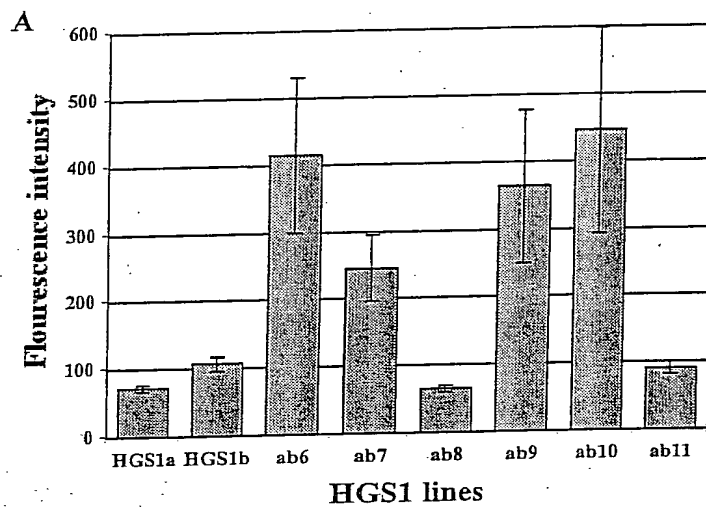


Figure 12

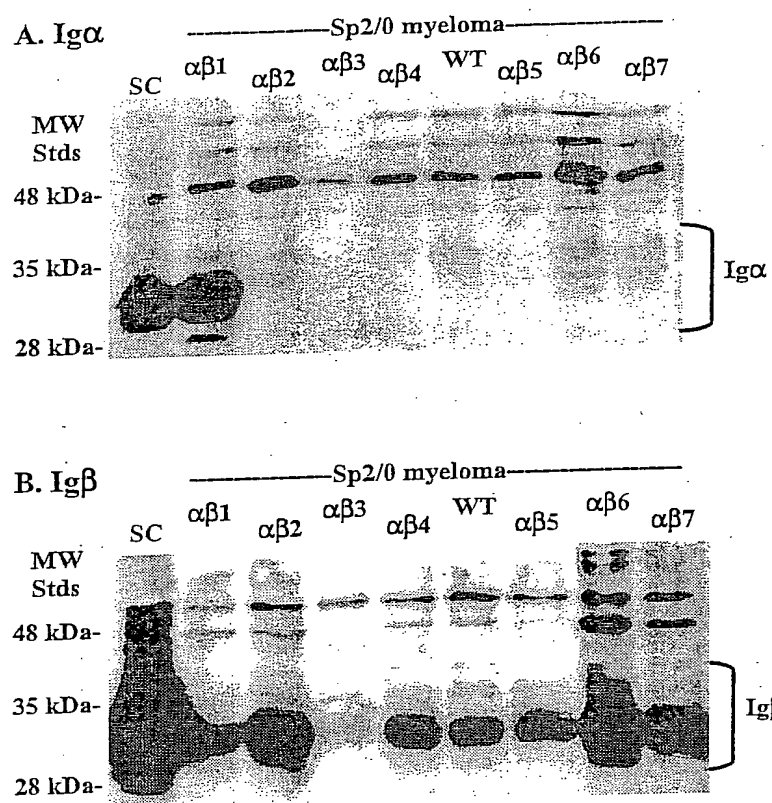


Figure 13

